

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number  
**WO 2004/024447 A3**

(51) International Patent Classification<sup>7</sup>: **B41J 29/38,**  
29/393

[IL/IL]; 3 Paldi Street, 76248 Rehovot (IL). **BAR NATHAN, Meir** [IL/IL]; 13 Greenspan Street, 75502 Rishon LeZion (IL).

(21) International Application Number:  
PCT/IL2003/000746

(74) Agents: **EITAN, PEARL, LATZER & CO-HEN-ZEDEK** et al.; 2 Gav Yam Center, 7 Shenkar Street, 46725 Herzlia (IL).

(22) International Filing Date:  
11 September 2003 (11.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/409,996 12 September 2002 (12.09.2002) US

(71) Applicant (for all designated States except US): **OBJET GEOMETRIES LTD.** [IL/IL]; 2 Holtzman Street, Kiryat Weizmann Science Park, 76124 Rehovot (IL).

(72) Inventors; and

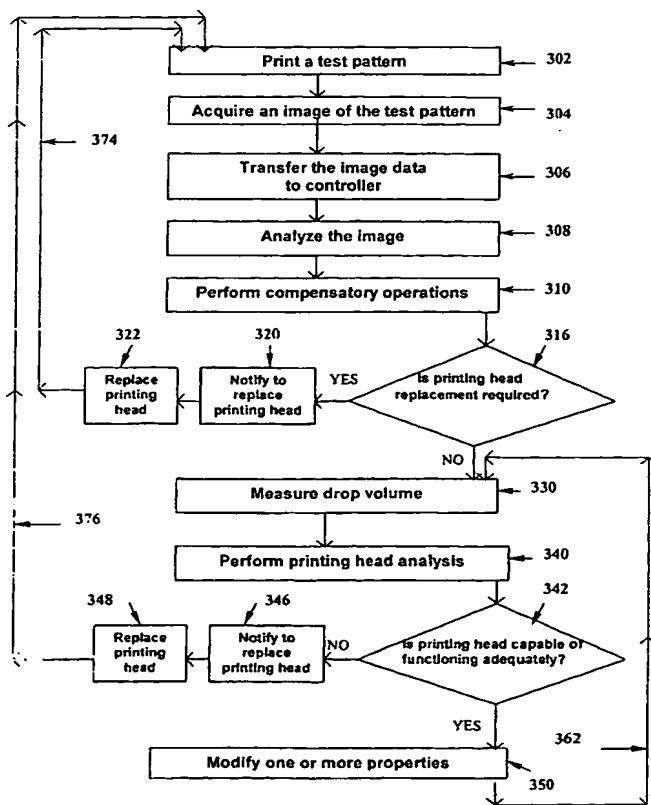
(75) Inventors/Applicants (for US only): **GOTHAIT, Hanan**

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: DEVICE, SYSTEM AND METHOD FOR CALIBRATION IN THREE-DIMENSIONAL MODEL PRINTING



(57) **Abstract:** Devices, systems and methods for three-dimensional model printing. A three-dimensional model printer may, for example, calibrate, optimize, or indicate the need for replacement of or evaluation of one or more printing heads or nozzles of the three-dimensional model printer.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *without international search report and to be republished upon receipt of that report*